In the Claims

Please amend the claims as follows:

1. (Original) A method of processing user interaction in a medical environment with a medical image for producing measurement data related to graphics on the medical image,

wherein the graphics on the medical image comprises at least one graphic object, said method comprising the step of removably attaching at least one dynamic measurement object based on said measurement data to said graphic object.

2. (Original) The method according to claim 1, wherein the user interaction is cursor controlled and the medical image is displayed on a medical examination apparatus.

3. (Previously presented) The method according to claim 1, wherein said graphic object being associated with at least one anatomical structural element of medical objects on said medical image.

4. (Previously presented) The method according to claim 1, wherein the measurement data is derived from said graphic object.

5. (Original) The method according to claim 4, wherein the graphic object is a point, a line, a curve, two intersecting lines, or a contour.

6. (Original) The method according to claim 4, wherein the measurement data that is extracted from the graphics object is a line length, a curve length, an angle delimited by two intersecting lines, an area delimited by a contour or a profile along a line or a curve, a diameter, a perimeter, an area, a volume, or grey value profiles.

3

7. (Previously presented) The method according to claim 1, wherein the measurement objects are moved between or interconnect different graphics objects supporting the same measurement type, or transferred between different positions of a single graphics object.

8. (Currently amended) The method according to claim 7, wherein the graphics object ~~being~~ is a line or a curve ~~as such~~ and the measurement object is the length of the line or the curve.~~, the graphics object being two intersecting lines and the measurement object the angle enclosed in a quadrant between the two lines, or the graphics object being a contour curve and the measurement object being the length of the contour or a diameter line interconnecting different points on the same contour curve or one point on said contour curve and another point on a further contour curve.~~

9. (Currently amended) The method according to claim 1 comprising smartly docking the measurement object to ~~the nearest, and at least one, from~~ a nearest one of a set of graphic objects supporting a specific measurement associated with ~~that~~ the measurement object.

10. (Original) The method according to claim 9, comprising docking a smart length measurement object to any graphical object in the image that supports measuring its length, docking a smart distance measurement object to the two nearest graphic objects supporting a distance measurement, docking a smart diameter measurement object to contours, circles, spheres, tubes, or docking a smart angle measurement object to the nearest graphic objects supporting an angle measurement.

11. (Original) The method according to claim 10, wherein the contours, circles, spheres, tubes are graphic elements visualizing vessels, the trachea, the oesophagus, or other hollow anatomical structural elements on said medical image.

4

12. (Previously presented) A medical examination apparatus (100) being arranged for implementing the method of claim 1, said apparatus comprising cursor display means (101) and user interaction means (102) for a medical image (104) displayed on a graphics display means (103) for displaying measurement data (105) related to graphics objects on said image (104), cursor actuating means (106) with detection means (107) for detecting positionings and actuations thereof, and measurement means (108) for thereupon driving control of inherent measuring functionalities as being immediately based on graphics objects relative to the actuated position with respect to graphics objects having associated imaged medical objects.

13. (Previously presented) Use of a medical examination apparatus according to claim 1 for processing user interaction in a medical environment with a medical image for producing measurement data related to graphics on the medical image, wherein the graphics on said medical image comprises at least one graphic objects, comprising removably attaching at least one dynamic measurement object to said graphic object in such a manner that the measurement object when attached to said graphic object is, upon further user interaction, removable from said graphic object, transferable along said graphic object or to another position adjacent to said graphic object, or transferable to different graphic objects on said medical image.

14. (Original) A computer-readable medium (110) having embodied thereon a computer program for processing by a computer (113) of a medical examination apparatus, the computer program comprising code segments for performing the method of claim 1, wherein the computer program comprises

a first code segment (111) for processing user interaction in a medical environment with a medical image for producing measurement data related to graphics on the medical image, wherein the medical image comprises at least one graphic object, and

a second code segment (112) for removably attaching at least one dynamic measurement object based on said measurement data to said graphic object.

5

15. (New) The method according to claim 7, wherein the graphics object is two intersecting lines and the measurement is the angle enclosed in a quadrant between the two intersecting lines.

16. (New) The method according to claim 7, wherein the graphics object is a contour curve.

17. (New) The method according to claim 16, wherein the measurement object is the length of the contour curve.

18. (New) The method according to claim 16, wherein the measurement object is the length of a line between a first point on the contour curve and a second point on the contour curve.

19. (New) The method according to claim 16, wherein the measurement object is the length of a line between a point on the contour curve and a further point on a further contour curve.